Mutation Research, 132 (1984) 203–204
DNA Repair Reports
Elsevier

Contents

Volume 132 (1984)

Research Papers

Replicative intermediates in UV-irradiated Simian virus 40 (MTR 06049)
by James M. Clark and Philip C. Hanawalt (Stanford) 1–14

Expression of the SOS response following simultaneous treatment with methyl-nitrosoguanidine and mitomycin C in *Escherichia coli* (MTR 06044)
by J. Albert Vericat, Jorge Barbé and Ricardo Guerrero (Barcelona) 15–20

The rate of removal of pyrimidine dimers in quiescent cultures of normal human and xeroderma pigmentosum cells (MTR 06043)
by G.J. Kantor and D.R. Hull (Dayton) 21–31

The effect of post-UV dark incubation on survival of chick-embryo fibroblasts after photoreactivation (MTR 06045)
by Burt V. Bronk, Eric H. Humphries and Claud S. Rupert (Richardson and Dallas) 33–39

Molecular dosimetry of DNA damage caused by alkylation
II. The induction and repair of different classes of single-strand breaks in cultured mammalian cells treated with ethylating agents (MTR 06046)
by E. Dogliotti, T. Lakhanisky, G.P. van der Schans and P.H.M. Lohman (Rijswijk) 41–49

DNA repair in cultured mouse cells of increasing population doubling level (MTR 06047)
by Michael La Belle and Stuart Linn (Berkeley) 51–61

DNA repair, DNA synthesis and cell cycle delay in human lymphoblastoid cells differentially sensitive to the cytotoxic effects of nitrogen mustard (MTR 06048)
by S.W. Dean and Margaret Fox (Manchester) 63–72

Repair of 8-methoxypsoralen monoadducts in mouse lymphoma cells (MTR 03882)
by Vivian W. Liu-Lee, John A. Heddle and Colin F. Arlett (Downsview and Brighton) 73–78

Occurrence and loss of alkali-labile sites in newly synthesized DNA of UV-irradiated *Escherichia coli* K12 (MTR 06054)
by Viera Slezáriková and Milena Sedliaková (Bratislava) 79– 86

Absence of pyrimidine insertase activity in *E. coli* extracts, using plasmid DNA containing apyrimidinic sites (MTR 06058)
by Bernard Martin and Nicole Sicard (Toulouse) 87– 93

Effects of age and liquid holding on the UV-radiation sensitivities of wild-type and mutant *Caenorhabditis elegans* dauer larvae (MTR 06051)
by Philip S. Hartman (Fort Worth) 95– 99

Excision repair of mouse and human fibroblast cells, and a factor affecting the amount of UV-induced unscheduled DNA synthesis (MTR 06050)
by Takashi Yagi, Osamu Nikaido and Hiraku Takebe (Kyoto) 101–112

Kinetics of recombinational hybrid formation in X-irradiated mammalian cells: a possible first step in the repair of DNA double-strand breaks (MTR 06052)
by K. Fonck, R. Barthel and P.E. Bryant (Frankfurt am Main) 113–118

Effect of ultraviolet light on DNA replication in excision-deficient mammalian cells (MTR 06055)
by T. Daniel Griffiths and S.Y. Ling (DeKalb) 119–127

Kinetics of ultraviolet induced DNA excision repair in rat and human fibroblasts (MTR 06056)
by J. Vijg, E. Mullaart, G.P. van der Schans, P.H.M. Lohman and D.L. Knook (Rijswijk) 129–138

Letters to the Editor

Use of the terms mutagenicity and genotoxicity (MTR 06053)
by B.A. Bridges (Brighton) 139

Use of the terms mutagenicity and genotoxicity (MTR 06057)
by Maurice Hofnung and Philippe Quillardet (Paris) 141–142

0167-8817/84/$03.00 © 1984 Elsevier Science Publishers B.V.

Research Papers

UV-Mutagenesis at a cloned target sequence: Converted suppressor mutation is insensitive to mutation frequency decline regardless of the gene orientation (MTR 06063)
by J. Engstrom, S. Larsen, S. Rogers and R. Bockrath (Indianapolis) 143–152
Further characterization of repair of 8-methoxypsoralen crosslinks in UV-excision-defective *Escherichia coli* (MTR 06065)
by B.A. Bridges (Brighton) 153–160
Analysis of replication of DEB-alkylated DNA in yeast: bypass replication in a *rad3* mutant of *Saccharomyces cerevisiae* (MTR 06059)
by B. Lecka-Czernik, Z. Swietlińska, D. Zaborowska and J. Żuk (Warsaw) 161–169
DNA–DNA and DNA–protein crosslinking and repair in *Neurospora crassa* following exposure to nitrogen mustard (MTR 06064)
by Jennifer M. Baker, J.H. Parish and Janie P.E. Curtis (Leeds) 171–179
Host-cell reactivation of *cis*-diamminedichloroplatinum(II)-treated SV40 DNA in normal human, Fanconi anaemia and xeroderma pigmentosum fibroblasts (MTR 06060)
by E.H.A. Poll, P.J. Abrahams, F. Arwert and A.W. Eriksson (Amsterdam and Leiden) 181–187
X-Ray sensitive mutants of Chinese hamster ovary cells defective in double-strand break rejoining (MTR 06061)
by L.M. Kemp, S.G. Sedgwick and P.A. Jeggo (London) 189–196
Endogenous activation by indirect muta–carcinogens and DNA-repair synthesis in mouse-lung fibroblast cultures (MTR 03933)
by Michèle Schmitt, Christian Kempf and Jules Kempf (Strasbourg) 197–201

Contents, Vol. 132 (1984) 203–204